AMENDMENTS

<u>In the Claims</u>:

Please cancel claim 9 and amend the remaining claims as indicated below:

1. A method for detecting pregnancy in a bovine animal comprising:

   (a) obtaining a sample from said animal; and

   (b) contacting said sample with an antibody that binds immunologically to at least one pregnancy associated antigen (PAG), wherein said PAG is present in early pregnancy and absent at about two months post-partum; and

   (c) detecting said PAG bound to said antibody;

   whereby the presence of said PAG in said sample indicates that said animal is pregnant.

10. The method of claim 1, wherein said detection comprises detection of bovine PAG (BoPAG) 2, BoPAG4, BoPAG5, BoPAG6, BoPAG7, BoPAG9, BoPAG 7v; BoPAG9v; BoPAG 15; BoPAG 16; BoPAG 17; BoPAG 18; BoPAG 19; BoPAG 20 or BoPAG 21 with polyclonal antisera.

11. The method of claim 1, wherein said detection comprises detection of bovine PAG (BoPAG) 2, BoPAG4, BoPAG5, BoPAG6, BoPAG7, BoPAG9, BoPAG 7v; BoPAG9v; BoPAG 15; BoPAG 16; BoPAG 17; BoPAG 18; BoPAG 19; BoPAG 20 or BoPAG 21 with a monoclonal antibody preparation.

12. The method of claim 9, wherein said detection comprises ELISA.

13. The method of claim 9, wherein said detection comprises RIA.

14. The method of claim 9, wherein said detection comprises Western blot.

Please add the following new claims:

182. The method of claim 10, wherein BoPAG 2 has the sequence of SEQ ID NO:25, BoPAG4 has the sequence of SEQ ID NO:27, BoPAG5 has the sequence of SEQ ID NO:28, BoPAG6 has the sequence of SEQ ID NO:29, BoPAG7 has the sequence of SEQ ID NO:30, BoPAG9 has the sequence of SEQ ID NO:32, BoPAG 7v has the sequence of SEQ ID NO:40; BoPAG9v has the sequence of SEQ ID NO:42; BoPAG 15 has the sequence of SEQ ID NO:44; BoPAG 16 has the sequence of SEQ ID NO:46; BoPAG 17 has the sequence of SEQ ID NO:48; BoPAG 18 has the sequence of SEQ ID NO:50; BoPAG 19 has the sequence of SEQ ID NO:52; BoPAG 20 has the sequence of SEQ ID NO:54 or BoPAG 21 has the sequence of SEQ ID NO:56 with polyclonal antisera.

183. The method of claim 1, wherein BoPAG2 has the sequence of SEQ ID NO:25, BoPAG4 has the sequence of SEQ ID NO:27, BoPAG5 has the sequence of SEQ ID NO:28, BoPAG6 has the sequence of SEQ ID NO:29, BoPAG7 has the sequence of SEQ ID NO:30, BoPAG9 has the sequence of SEQ ID NO:32, BoPAG 7v has the sequence of